

AMENDMENTS TO THE CLAIMS

The following listing of claims replaces all prior versions and listings of claims in this application.

LISTING OF CLAIMS:

1-14. (Canceled)

15. (Original) A method of manufacturing a rigid internal gear of a wave gear device, in which the rigid internal gear comprises a main gear ring and a tooth-forming ring having internal teeth formed on an inner circumferential surface thereof and, in which the tooth-forming ring is disposed inside the main gear body and integrally bonded thereto,

the method comprising steps of:

adding knurls to an outer circumferential surface of the tooth-forming ring and carving, from tops of the knurls, at least one cutting edge that extends in a circumferential direction; and

pressing the tooth-forming ring into an inside of the main gear ring while having at least one cutting edge formed on the outer circumferential surface of the tooth-forming ring cut an inner circumferential surface of the main gear ring so as to integrate the main gear ring and the tooth-forming ring.

16. (Original) A method of manufacturing a rigid internal gear according to Claim 15,

wherein the main gear ring is formed from one of an aluminum alloy, a titanium alloy, and a ceramic material, and

the tooth-forming ring is formed from one of a ferrous material and a copper material.

17. (Previously Presented) A method of manufacturing a rigid internal gear according to Claim 15, wherein a gear cutting process for forming the internal teeth on the tooth-forming ring is performed after the tooth-forming ring is integrated with the main gear ring.

18. (Previously Presented) A rigid internal gear of a wave gear device manufactured by a method of manufacturing according to Claim 15.

19. (New) A method of manufacturing a rigid internal gear according to Claim 16,

wherein the knurl is formed with a pitch of 0.5 to 1.6mm, and an interference for the pressing is between 0.03 and 0.3mm.